ROTARY BEARING DEVICE

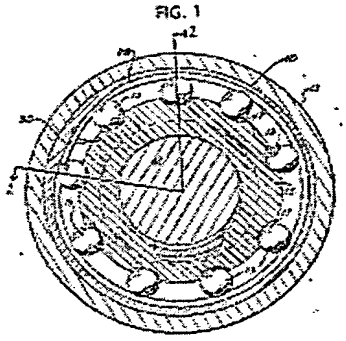
Patent number: DE2559030
Publication date: 1976-07-15
Inventor: REPLIN HENRY
Applicant: VECTOR BEARING CORP
Classification:
- international: F16H13/04; B60K17/22
- european: B60B35/18
Application number: DE19752559030 19751229
Priority number(s): US19750538684 19750106

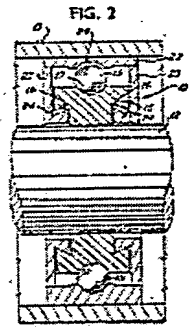
Also published as:
NL7514687 (A)
JP51092945 (A)
GB1531270 (A)
FR2296789 (A1)
ES444080 (A)

more >>

Abstract not available for DE2559030
Abstract of corresponding document: **GB1531270**

1531270 Bearings VECTOR BEARING CORP 6 Jan 1976 [6 Jan 1975] 00372/76 Heading F2A A rotary bearing assembly comprises an inner member 15 and an outer member 22, one of said members being fixed and the other being rotatable, said members having complementary bearing surfaces 16, 24 wherein the surface arranged on the inner member has a larger diameter than and surrounds the surface on the outer member, there being rolling elements 19 arranged between inner and outer races 17, 26 on the inner and outer members respectively, the race on the fixed member being non-circular and acting to displace the rotatable member to a non-concentric position relative to the fixed member such that a load imposed on the fixed member is transferred to the rotatable member at a position spaced from the centre of the rotatable member in a direction transverse to the direction of action of the load. In operation, balls passing over a ramp 30 on the outer race 26 force the rotatable member out of concentricity with the fixed member so that the clearance between the surfaces 16, 24 is taken up in the area adjacent the ramp. The plain bearing surfaces 16, 24 may alternatively form part of a rolling bearing.





(51) Int. Cl. 2: F 16 H 13/04
B 60 K 17/22

(19) BUNDESREPUBLIK DEUTSCHLAND

DEUTSCHES PATENTAMT

DT 25 59 030 A1

(11) Offenlegungsschrift 25 59 030

(21) Aktenzeichen: P 25 59 030.1
(22) Anmeldetag: 29. 12. 75
(43) Offenlegungstag: 15. 7. 76

(30) Unionspriorität:
(32) (33) (31) 6. 1. 75 USA 538684

(54) Bezeichnung: Verfahren und Vorrichtung zum Unterstützen einer Drehung

(71) Anmelder: Vector Bearing Corp., Englewood, Col. (V.St.A.)

(74) Vertreter: Grünecker, A., Dipl.-Ing.; Kinkeldey, H., Dr.-Ing.; Stockmair, W., Dr.-Ing. Ae.E.; Schumann, K., Dipl.-Phys. Dr.rer.nat.; Jakob, P., Dipl.-Ing.; Bezold, G., Dipl.-Chem. Dr.rer.nat.; Pat.-Anwälte, 8000 München

(72) Erfinder: Replin, Henry, Denver, Col. (V.St.A.)

DT 25 59 030 A1